

## **G-472 TOREN'S METHOD FOR MAST CELLS**

**FIXATION:** 10% Buffered Neutral Formalin (F-113)

**SECTION:** Paraffin, @ 6 microns

### **STAINING PROCEDURE:**

1. Deparaffinize and hydrate to distilled water.
2. Stain in \*Working Giemsa Solution for 75 minutes. Rinse in distilled water.  
\*Prepare Working Giemsa Solution by adding 40 drops of Giemsa Stock Solution, (G-472-1), to 40ml of distilled water and mixing thoroughly.  
Prepare fresh, immediately before use.
3. Place in Acetic Acid, 0.5%, (G-472-2) for 5 to 10 seconds. Rinse in distilled water.
4. Stain in Pollack's Trichrome Solution, (G-472-3) for 10 to 15 seconds.
5. Rinse in Acetic Acid, 0.5%, (G-472-2), until no more stain washes off, 3 to 5 seconds.
6. Dehydrate in 95% Alcohol, Absolute Alcohol and clear in Xylene.
7. Mount with Permount.

### **RESULTS:**

Mast Cell Granules.....deep blue  
Collagen & Cartilage.....blue green  
Muscle & Elastic Fibers.....red  
Fibrin.....purple  
Bone.....green  
Colloid, Keratin & Erythrocytes.....orange red to orange

### **REFERENCES:**

- Toren, D.A.: Stain Techn., 38:249-250, 1963.  
Luna, L., (ed.), Manual of Histologic Staining Methods of the AFIP, 3<sup>rd</sup>. ed.,  
McGraw-Hill, New York, c. 1968, pp. 116-117.